

**ISOLATION PROCEDURE AND OPTIMIZED MEDIA SOLUTION TO  
ENHANCE LONG-TERM SURVIVAL OF CELLS**

**Abstract**

- 5           Isolation, enhanced yield, and maintenance (*e.g.*, culture) methods for  
cells, *e.g.*, cardiomyocytes, which maintain the structural and functional characteristics  
of freshly isolated cells are disclosed. Such methods can be used for developing long-  
term maintenance/cultures of cardiac myocytes which can be used in, for example, *in*  
10 *vitro* gene transfer, protein expression studies, and small molecule or drug screening,  
testing, toxicological study. Optimized media solutions to enhance long-term survival  
of acutely isolated cells are also provided.

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